

Spring Plungers • headed, with ball and slot
EH 22050.



Product Description

Spring plungers can be used for locating or for applying pressure, as a detent or for ejection. Precise screwing depth due to head.

Material

Body

- Free cutting steel, blackened
- Stainless steel 1.4305

Ball

- Ball-bearing steel, hardened
- Stainless steel, hardened

Spring

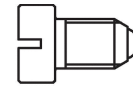
- Stainless steel

Assembly

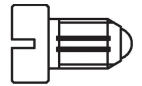
Respect dimension l_3 for M 4 / M 5.

Characteristic

Standard spring load: no marking
Heavy spring load: marked with two lines



Standard spring load



Heavy spring load

More information

Notes

Customized design on request.
Spring plungers are specially tested for spring range and forces.

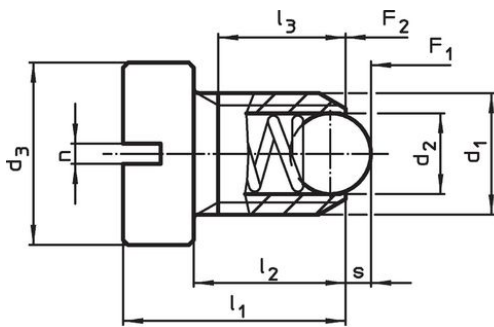
References

Thread lock on request, please refer to appendix - Technical Data -
Calculation of indexing resistance, please refer to appendix - Technical Data -

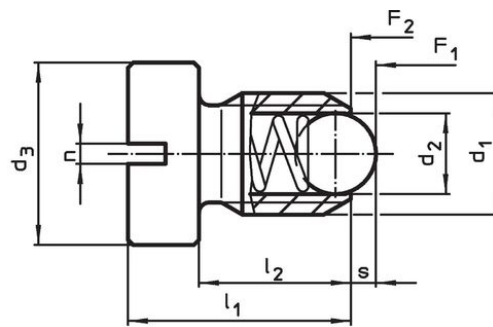
Further products

- Locators, with bore hole, for spring plungers
- Locators, smooth, for spring plungers

Drawing



Size M4+M5



Size M6-M12

Order information

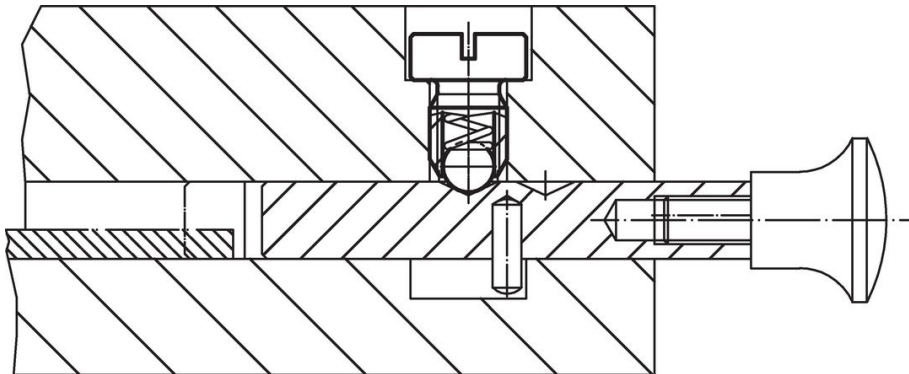
d ₁	d ₂	d ₃	Dimensions				n	Stroke s [mm]	Spring load ¹⁾		max. [°C]	[g]	Art. No.
			l ₁	l ₂	l ₃ min.	F ₁ ~ [N]			F ₂ ~				
[mm]													
free cutting steel, standard spring load													
M 4	2.5	6	9.5	6.5	5.0	0.6	0.8	8.0	14.0	250	1.0	22050.0930	
M 5	3.0	8	12.5	8.5	6.7	0.8	0.9	8.0	14.0	250	2.2	22050.0931	
M 6	3.5	10	14.0	9.0	-	1.0	1.0	11.0	18.0	250	3.7	22050.0932	
M 8	4.5	13	16.5	11.0	-	1.2	1.5	18.0	31.0	250	7.4	22050.0933	
M10	6.0	16	20.0	14.0	-	1.5	2.0	24.0	45.0	250	13.0	22050.0934	
M12	8.0	18	22.0	15.0	-	2.0	2.5	26.0	49.0	250	19.0	22050.0935	

¹⁾ statistical average value

d ₁	d ₂	d ₃	Dimensions				n	Stroke s [mm]	Spring load ¹⁾		max. [°C]	[g]	Art. No.
			l ₁ [mm]	l ₂	l ₃ min.	F ₁ ~ [N]			F ₂ ~				
free cutting steel, heavy spring load													
M 4	2.5	6	9.5	6.5	5.0	0.6	0.8	12.0	18.0	250	0.9	22050.1040	
M 5	3.0	8	12.5	8.5	6.7	0.8	0.9	15.0	22.0	250	2.2	22050.1050	
M 6	3.5	10	14.0	9.0	–	1.0	1.0	19.3	26.6	250	3.8	22050.1060	
M 8	4.5	13	16.5	11.0	–	1.2	1.5	36.0	60.5	250	7.5	22050.1080	
M10	6.0	16	20.0	14.0	–	1.5	2.0	57.0	103.5	250	13.0	22050.1100	
M12	8.0	18	22.0	15.0	–	2.0	2.5	61.0	110.0	250	19.0	22050.1120	
stainless steel, standard spring load													
M 4	2.5	6	9.5	6.5	5.0	0.6	0.8	8.0	14.0	250	1.0	22050.0940	
M 5	3.0	8	12.5	8.5	6.7	0.8	0.9	8.0	14.0	250	2.2	22050.0941	
M 6	3.5	10	14.0	9.0	–	1.0	1.0	11.0	18.0	250	3.8	22050.0942	
M 8	4.5	13	16.5	11.0	–	1.2	1.5	18.0	31.0	250	7.5	22050.0943	
M10	6.0	16	20.0	14.0	–	1.5	2.0	24.0	45.0	250	13.0	22050.0944	
M12	8.0	18	22.0	15.0	–	2.0	2.5	26.0	49.0	250	19.0	22050.0945	
stainless steel, heavy spring load													
M 4	2.5	6	9.5	6.5	5.0	0.6	0.8	12.0	18.0	250	1.0	22050.1240	
M 5	3.0	8	12.5	8.5	6.7	0.8	0.9	15.0	22.0	250	2.2	22050.1250	
M 6	3.5	10	14.0	9.0	–	1.0	1.0	19.3	26.6	250	3.8	22050.1260	
M 8	4.5	13	16.5	11.0	–	1.2	1.5	36.0	60.5	250	7.6	22050.1280	
M10	6.0	16	20.0	14.0	–	1.5	2.0	57.0	103.5	250	13.0	22050.1300	
M12	8.0	18	22.0	15.0	–	2.0	2.5	61.0	110.0	250	19.0	22050.1320	

¹⁾ statistical average value

Application example



Compliance

For detailed compliance information please select the desired article number.